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From: Brown, Anthony R (RM)
Sent: Thur 4/27/2017 4:02:43 AM
Subject: Leviathan - HDS Plant Spring Commissioning Activities Summary

Lynda – Your 4/25/17 email to Marc Lombardi (responding to his submittal of the RI FS Three Week Field Schedule Projection) requested a summary of field activities planned for the early response actions. I asked Mike Johnson at Copper Environmental to prepare a summary of upcoming activities and estimated/projected dates, which is reproduced below. Dates are subject to change based on weather, access, vendor and materials availability, and unanticipated conditions. As highlighted, we expect to begin discharging treated water from Pond 4 and capturing CUD and DS the week of May 8, assuming RI surface water synoptic sampling can be completed first.

By the way, observations made this week confirm that the repair to the Pond 4 overflow riser pipe assembly continues to hold. The Aspen Seep Bioreactor effluent pH was measured on April 21, 2017 at 6.26; the field-measured dissolved iron concentration was 4.02 mg/L. Crews installed a new 2-inch in-line effluent flow meter at the Aspen Seep Bioreactor earlier today. The effluent flow rate was measured at 33.4 gpm.

HDS Treatment System Commissioning and Upper Pond Conveyance Work

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Week of April 24-April 28:

- Electrical: HDS Electric Feeder Breaker (UPCS); Generator Commissioning; Electrical Commissioning; HMI Replacement
- Pond 4 Composite Sampling
- Safety Shower Commissioning
- Deliveries: Porta Potty, fresh water, dumpster, fabrication pipe for upper pond conveyance
- HDS Spring Commissioning Checklist
- Begin Conveyance System Commissioning

Week of May 1 – May 5

- Stormwater BMP Improvements
- Complete Commissioning of HDS Treatment Plant
- Office Trailer Delivery
- CUD Tank Lid Modification
- Conveyance Piping Installation
- Commission Conveyance System
- Level Switch Installation
- DST Secondary Containment Level Switch

Week of May 8 – May 12

- Begin Discharging treated Pond 4 water to Leviathan Creek from HDS Treatment System
- Effluent Compliance Sampling (Once a week for first four weeks)
- Finalize Conveyance System modifications
- Begin Capture of CUD and DS water to Pond 4 (begin following RI Synoptic Sampling)

- Generator Engine seal replacement

ASB Treatment System

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Week of April 24-April 28

- Effluent Piping Replacement
- Install new Tubing on NaOH at Aspen
- Propane delivery (4/27)

Week of May 1 – May 5

- NaOH Delivery
- Biocell Flushing + standpipe modification
- Inverter Parameter and Sunny Web Box Troubleshooting

Week of May 8 – May 12

- Generator 2 Engine Replacement
- Electrical Conex Roof Leak Repair
- May Compliance Sampling Including Enhanced Sampling

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